

# **Plot.ly Data Analysis/Graphing Tool Demo**

## **Columbia's Data Science Club**

- Date - Feb 25<sup>th</sup> (8:00-9:00 pm)
- Location - Room 303 Hamilton (Columbia's main campus)
- Plotly is a web-based data analysis & graphing tool. The following capabilities will be demonstrated:
  - ▶ Provides a cloud-based platform for students, teachers and researchers who use different programs to be able to easily collaborate on data and graphs
  - ▶ Collaboratively make interactive graphs and analyze data with our web app or with [APIs](#) for Python, MATLAB, R, Excel, matplotlib, ggplot2 & more.
  - ▶ Upload, analyze, and graph data from Google Docs, Dropbox, csv, txt, MATLAB, SAS, or SPSS files or copy and paste data into our web app.
  - ▶ Institutional memory of all data & graphs for teachers & researchers (Can be organized by classes and/or groups)
  - ▶ Publication-quality PDF export and other format options (EPS, PNG and JPEG) for PowerPoint Presentations and Publications
  - ▶ Provide a JavaScript library, letting developers create dashboards and metrics reports that can be easily shared across an organization
  - ▶ Plotly is built on top of d3.js, but is a much faster alternative to d3.js.
  - ▶ Set up live-streaming graphs from Arduino & Raspberry Pi in your browser
- Presented by Plot.ly – Brooke Parsons (Enterprise - ([brooke@plot.ly](mailto:brooke@plot.ly)) or 423-948-9292) & Chris Parmer (Engineer)

